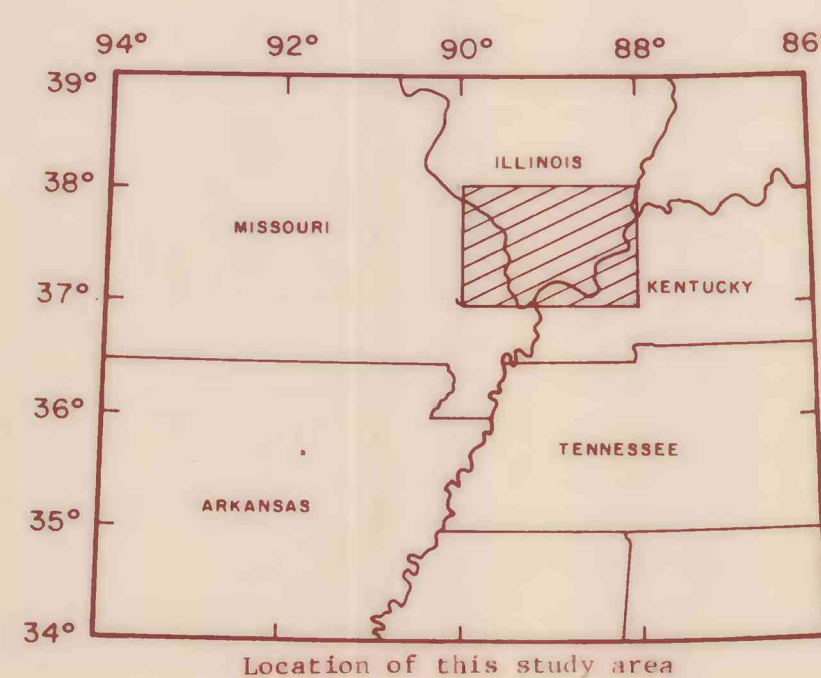


# SIMPLE BOUGUER GRAVITY MAP OF THE PADUCAH 1° BY 2° QUADRANGLE, ILLINOIS, KENTUCKY, AND MISSOURI

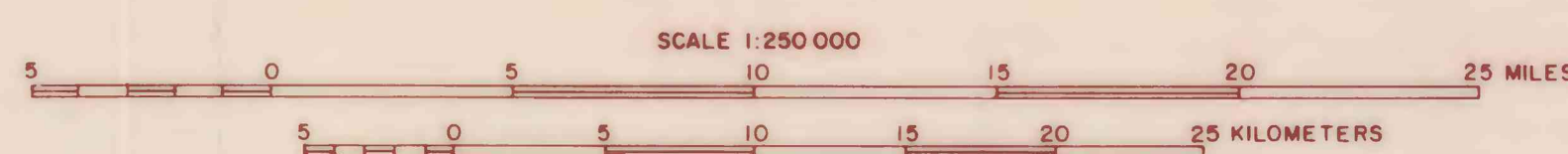
BY

T.G. HILDENBRAND, R.P. KUCKS, AND M.F. KANE

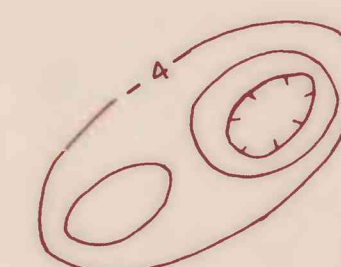
1979



This map is preliminary and has not been edited or reviewed for conformity to Geological Survey standards.



## EXPLANATION



Gravity contours  
Hachured contours indicate areas of low gravity closure  
O Station location

This map was prepared from a subset of the gravity data previously published at a scale of 1:500,000 by Hildenbrand and others (1977). The data have been reduced to the 1971 IGSN (International Gravity Standardization Network) (International Association of Geodesy, 1971). A reduction density of 2.67 mg/m<sup>3</sup> was assumed in reducing the data to the simple Bouguer anomaly.

## REFERENCES CITED

Godson, R. H., 1978, Program Bouguer: U.S. Geological Survey, Unpublished documentation.

Hildenbrand, T. G., Ervin, C. P., Hendricks, John, Keller, G. R., McGinnis, L. D., and Stearns, R. G., 1977, Bouguer gravity map of the northern Mississippi embayment, parts of Missouri, Arkansas, Tennessee, Kentucky, and Illinois: U.S. Geological Survey open-file report 77-228.

International Association of Geodesy, 1971, Geodetic reference system, 1967: International Association of Geodesy, Special Publication 3 (Bureau Central, Association Internationale de Geodesie, Paris), 116 p.